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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Houman Pournasseh

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EXAMINER

VO, TED T

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/829,370	Applicant(s) POURNASSEH ET AL.	
	Examiner TED T. VO	Art Unit 2191	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 October 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,3-12 and 14-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,3-12 and 14-24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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DETAILED ACTION

1. This action is in response to the communication filed on 10/17/2008.

Claims 2, 13 are canceled. Claims 1, 3-12, 14-24 are pending in the application.

Response to Arguments

2. This is in response to the arguments filed in the remarks filed on 10/17/2008.

In view of the argument remark, Claims 9-24 rejected under 35 U.S.C 101 is withdrawn.

All Applicants' arguments are moot in view of to the new ground of rejections presetting in this office action.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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4. Claims 1, 3, 8, 10-11, 12, 14, 19, 21-24 are rejected under 35 U.S.C. 102(b) as being anticipated by Trolltech AS, “Qt/Embedded – A Technical Overview”, 2001, Trolltech.

As per Claim 1: Trolltech AS discloses,

A process for modifying information from a source language to a target language comprising the steps of:

*providing **an interface**, supported by a computing device, to a user to modify **how data to be translated** is addressed* (See Internationalization, p. 9-11, provided with API functions for localizing an application)

*selecting **a source language** and **a target language** based upon the modified translation by the user* (e.g. based on locale setting, p. 10, English/Japanese, p. 11);

***intercepting data** destined for one of **a system resource** or **Graphic Data Interface** (parameters/arguments (*intercepting data*) specified in the input of the translator, tool functions (i.e. findst(), msg2qm(), etc and GDI in Figure 1 (*a system resource or Graphic Data Interface*)) run in the translation process);*

***comparing said intercepting data** (parameters/argument) **against data in a core translation table** to determine **if a match exists** between the data being intercepted and the data in the core translation table for the source language* (See section localization, p. 10-11, e.g. running the tr(), by taking the given argument against the translation table. For example, at run-time, the translation does a lookup (i.e. *determine if a match exists between the data being intercepted and the data in the core translation table*) in the current translation table and return the text string (translation) corresponding (i.e. *if a match exists*) to the argument

***replacing and intercepting data** with said data from said core translation table based when **a match is found** based on said comparing step* (See section localization, p. 10-11, lookup in translation table, and third tool that uses mergetr(), and the examples that provide the translation into Japanese in p. 11), *and when **no match is found** based on said comparing step the data is **redirected to a resource loader** for the process for modifying information or the Graphic Data Interface for normal processing and displaying the information upon a display device* (See p. 10: the “return text string”, i.e. it simply returns the same argument, and the Qt in the goad to extend latter versions) .

As per Claim 3: Trolltech AS discloses, *The process according to claim 1, further comprising the steps of: comparing said intercepted data against data in an application translation table; and replacing said intercepted data with said data from said application translation table.*

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Inherent in the translation; i.e. when provided with “tr (arguments)”, the translation uses findtr(...), and do the lookup, examples in p. 11)

As per Claim 8: Trolltech AS discloses, *The process according to claim 1, further comprising the steps of:*

restoring translated data into a format of said intercepted data (Refer to msg2qm (), it does the binary translation; i.e. from a binary data that presents in English data into a binary that present in Japanese data).

As per Claim 10: Trolltech disclose, *The process according to claim 1, further comprising the steps of:*

comparing said intercepted data against data in a community-built translation table; and replacing said intercepted data against data from said community-built translation table.

See tr() and see rationale in claim 3.

As per Claim 11: Trolltech AS discloses, *The process according to claim 1, further comprising the step of: processing said intercepted data using machine translation.* See tr().

As per Claims 12, 14, 19, 21-22: See rationale addressed in the rejection of claims 1, 3, 8, and 10-11 above.

As per Claims 23-24: See rationale addressed in the rejection of claims 1, 8 above.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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6. Claims 4-7, 9, 15-18, 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Trolltech AS, "Qt/Embedded – A Technical Overview", 2001, in view of Python, "Python Library Reference", October 2000, BeOpen.com PythonLabs.

Trolltech does not discuss a simplification and normalization in a translation for localization of an intercepted data, characterized in:

As per Claim 4: In view of Trolltech, Python discloses, *The process according to claim 1, further comprising the step of:*

simplifying and normalizing said intercepted data. (Inherent in translating as discussed in the reference, using third tool, because the recited limitation does not present any functionality).

As per Claim 5: Trolltech AS discloses, *The process according to claim 4, wherein said simplifying and normalizing step further comprising the step of:*

unifying a case of said intercepted data (such as using lower() and upper () seen in p. 63).

As per Claim 6: Trolltech AS discloses, *The process according to claim 4, wherein said simplifying and normalizing step further comprising the step of:*

removing control characters (such as using translate () seen in p. 63).

As per Claim 7: Trolltech AS discloses, *The process according to claim 4, wherein said simplifying*

and normalizing step further comprising the step of:

cross referencing said intercepted data between resource loader and Graphic Data Interface (such as using matching vs searching seen in p. 67).

However, many prior arts' suggestions show programming syntax and language culture are involved in localization. For example, it is known that C++ syntax is case sensitive, i.e. it distinguishes between c and C. Many other languages in the world do not have the same alphabet systems, therefore the string implementation cannot be felt into the set of the control characters used under the standard English keyboard . Many other languages in the world can not be one-on-one mapping because of language culture. Therefore, it must require simplification and normalization as usual for language localization, i.e. it is only a natural requirement.

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Python provides resource loaders (see chapter 2, start p. 3) which are used to normalize and simplify intercepted data in localization as discussed in sec. 6.23.3, start p. 158.

Therefore, it is obvious for an ordinary in the art to add certain resource loaders in Trolltech like loaders in Python, as characterized in Claims 4-7 in the locale translation for the purpose of simplification and normalization for conforming to the language cultures and differences as defined by L10N.

As per Claim 9: Trolltech does not explicitly disclose *resizing a displayed item*, characterized in, *The process according to claim 1, further comprising the step of.* "*resizing a displayed item to show said translated data*

Python provides resource loader "resize", and other functions that involved in translation, thus it is obvious to the ordinary in the art to utilize certain string operation would render characters for conforming to the language cultures and differences as defined by L10N.

As per Claims 15-18, 20: See rationale addressed in the rejection of claims 4-7, and 9 above.

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted T. Vo whose telephone number is (571) 272-3706. The examiner can normally be reached on 8:00AM to 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wei Y. Zhen can be reached on (571) 272-3708.

The facsimile number for the organization where this application or proceeding is assigned is the Central Facsimile number **571-273-8300**.

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Any inquiry of a general nature or relating to the status of this application should be directed to the TC 2100 Group receptionist: 571-272-2100. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TTV
December 12, 2008

/Ted T. Vo/
Primary Examiner, Art Unit 2191